

Abstract of the Disclosure

A first vibrating electrode is provided on a first side of a piezoelectric substrate perpendicular to the thickness direction. A second vibrating electrode is provided on a second side opposite to the first side to face the first vibrating electrode. A first pad and a second pad are respectively formed on a side of the piezoelectric substrate perpendicular to the thickness direction in area having a small vibration displacement. The first pad and the second pad are electrically connected to the first vibrating electrode and the second vibrating electrode.